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DEPARTMENT OF THE ARMY  
Wilmington District, Corps of Engineers  
Post Office Box 1890  
Wilmington, North Carolina 28402-1890  
(<http://www.saw.usace.army.mil/wetlands/regtour.htm>)

Action ID No. 200200015

June 19, 2003

PUBLIC NOTICE

THE UNITED STATES COAST GUARD (USCG), CIVIL ENGINEERING UNIT, 1240 EAST NINTH STREET, CLEVELAND, OHIO 44199-2060, has applied for a Department of the Army (DA) permit TO MAINTAIN A BASIN ON BANKS CHANNEL, UNITED STATES COAST GUARD STATION, WRIGHTSVILLE BEACH, NEW HANOVER COUNTY, NORTH CAROLINA.

The following description of the work is taken from data provided by the applicant. Plans submitted with the application show the proposed maintenance of an 80-foot-wide, 170-foot-long basin to a depth of 10 feet; mean low water (MLW). Approximately 2,100 cubic yards of sand is to be excavated by either hydraulic dredge and pumped or clamshell (mechanical dredge) and placed on the estuarine side of Wrightsville Beach north of the Coast Guard Station adjacent seven privately owned properties. Two methods for dredging have been proposed. The first is the use of a hydraulic dredge. With this the method, the dredge material will be pumped behind a geo-tube containment dike. Dredge material will be pumped into the geo-tube to form the containment dike along the waterfront approximately 20 to 30 feet from the existing beach or bulkhead as found on each property. Dredge material will be pumped behind the containment dike and protected from wave action until drained and stabilized. Once the dredge material has drained, the geo-tubes will be removed to the extent possible and the material uniformly graded. The second method is to mechanically dredge using a clamshell. With this method, the material will be placed behind a dike constructed of straw bales and silt fence. Again the dike will be removed once the material has drained and the material uniformly graded.

An Individual Permit was issued on December 1, 1993 for dredging with material to be pumped to an upland, diked retention area on an island adjacent to the Atlantic Intracoastal Waterway, north of Shinn Creek, in accordance with the original plans. Condition number 2 of this permit authorized periodic maintenance for ten years from the date of issuance when the District Engineer was advised of the work at least 2 weeks in advance and the method of dredging and disposal were in strict accordance with the permit. The USCG now requests a new permit to allow for the disposal of the dredged material (beach quality sand) on the estuarine side of Wrightsville Beach.

The jurisdictional areas within the project site consist of unvegetated sand flats below mean high water along the eastern side of Banks Channel north of the USCG Station at the disposal site and open water at the dredge site. The entire disposal area is submerged during high tide.

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The applicant has determined that the proposed work is consistent with the North Carolina Coastal Zone Management Plan and has submitted this determination to the North Carolina Division of Coastal Management (NCDCM) for their review and concurrence. This proposal shall be reviewed for the applicability of other actions by North Carolina agencies such as:

- a. The issuance of a Water Quality Certification under Section 401 of the Clean Water Act by the North Carolina Division of Water Quality (NCDWQ).
- b. The issuance of a permit to dredge and/or fill under North Carolina General Statute 113-229 by the North Carolina Division of Coastal Management (NCDCM).
- c. The issuance of a permit under the North Carolina Coastal Area Management Act (CAMA) by the North Carolina Division of Coastal Management (NCDCM) or their delegates.
- d. The issuance of an easement to fill or otherwise occupy State-owned submerged land under North Carolina General Statute 143-341(4), 146-6, 146-11, and 146-12 by the North Carolina Department of Administration (NCDA) and the North Carolina Council of State.
- e. The approval of an Erosion and Sedimentation Control Plan by the Land Quality Section, North Carolina Division of Land Resources (NCDLR), pursuant to the State Sedimentation Pollution Control Act of 1973 (NC G.S. 113 A-50-66).

The requested Department of the Army (DA) permit will be denied if any required State or local authorization and/or certification are denied. No DA permit will be issued until a State coordinated viewpoint is received and reviewed by this agency. Recipients of this notice are encouraged to furnish comments on factors of concern represented by the above agencies directly to the respective agency, with a copy furnished to the Corps of Engineers.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The District Engineer's initial determination is that the proposed project would not adversely impact EFH or associated fisheries managed by the South Atlantic or Mid Atlantic Fishery Management Councils or the National Marine Fisheries Service.

This application is being considered pursuant to Section 10 of the River and Harbor Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344). Any person may request, in writing within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearing shall state, with particularity, the reasons for holding a public hearing.

The District Engineer has consulted the latest published version of the National Register of Historic Places for the presence or absence of registered properties, or properties listed as being eligible for inclusion therein, and this site is not registered property or property listed as being eligible for inclusion in the Register. Consultation of the National Register is the extent of cultural resource investigations by the District Engineer, and he is otherwise unaware of the

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presence of such resources. Presently, unknown archeological, scientific, prehistorical, or historical data may be lost or destroyed by work under the requested permit.

The District Engineer, based on available information, has determined that the proposed activity may result in adverse impacts to species, or their critical habitat, designated as endangered or threatened pursuant to the Endangered Species Act of 1973. This includes the federally threatened green (*Chelonia mydas*) and loggerhead (*Caretta caretta*) sea turtles. The carapace of a green sea turtle is smooth and gray, green, brown, and black. The plastron is yellowish white. They may reach a meter in length. Green sea turtles nest along Atlantic beaches from Massachusetts to Florida and along the Gulf of Mexico. Loggerhead sea turtles of the Northern Subpopulation nest from North Carolina to Northeast Florida. The carapace and scales found on the dorsal side of the head and flippers are reddish-brown. The neck, limb bases, and plastron are a medium yellow.

The decision, whether to issue a permit, will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity and its intended use on the public interest. Evaluation of the probable impacts that the proposed activity may have on the public interest requires a careful weighing of all those factors that become relevant in each particular case. The benefits that may be expected to accrue from the proposal must be balanced against its foreseeable detriments. The decision whether to authorize a proposal, and if so the conditions under which it will be allowed to occur, are therefore decided by the outcome of the general balancing process. That decision should reflect the national concern for both protection and use of important resources. All factors that may be relevant to the proposal must be considered including the cumulative effects of it. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards and flood plain values (according to Executive Order 11988), land use, navigation, shore erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving the placement of dredged or fill materials in waters of the United States, a permit will be denied if the discharge that would be authorized would not comply with the Environmental Protection Agency's 404(b)(1) guidelines. Subject to the preceding sentence and any other applicable guidelines or criteria, a permit will be granted unless the District Engineer decides that it would be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes and other interested parties to consider and evaluate the individual and cumulative impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA). Comments are also used to decide the need for a public hearing and to decide the public interest of the proposed activity.

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Generally, the decision whether to issue this DA permit will not be made until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act. The NCDWQ considers whether the proposed activity will comply with Sections 301, 302, 306, and 307 of the Clean Water Act. The application and this public notice for the DA permit serves as application to the NCDWQ for certification.

Additional information regarding the Clean Water Act certification may be reviewed at the offices of the Environmental Operations Section, NCDWQ, Salisbury Street, Archdale Building, Raleigh, North Carolina. Copies of such materials will be furnished to any person requesting copies upon payment of reproduction costs.

All persons wanting to make comments regarding the application for Clean Water Act certification should do so in writing delivered to NCDWQ, 1621 Mail Service Center, Raleigh, North Carolina 27699-1621, on or before August 18, 2003, Attention: Mr. John Dorney.

Written comments pertinent to the proposed work, as outlined above, will be received in this office, Attention: Angie Pennock, until 4:15 p.m., July 18, 2003, or telephone (910) 251-4611.

DICHROMA, INCORPORATED  
ALEXANDRIA, VIRGINIA  
(703) 921-1446

CONSULTANTS

U. S. COAST GUARD  
CIVIL ENGINEERING UNIT  
CLEVELAND



USCG: CEU CLEVELAND  
1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2060

ISSUE

MARK DATE DESCRIPTION

1/2 PROJECT NO. 508  
1/2 DRAWING NO. 1001  
DESIGNED BY: DOW  
DRAWN BY: BW  
CHECKED BY:  
DATE

SCALE AS SHOWN PLOT SCALE: 1:1

SHEET TITLE

DREDGE BOAT BASIN  
STATION WRIGHTSVILLE BEACH  
WRIGHTSVILLE BEACH NORTH CAROLINA

CIVIL  
SITE/DREDGING PLANS

REVIEWED BY: D.C. WARD  
PROJECT ENG. BRANCH CHIEF TECH. DIRECTOR

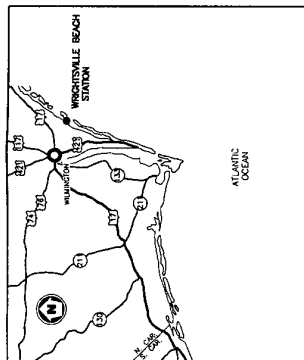
APPROVED BY: A.P. KIMOS, CDR, USCG  
APPROVING OFFICER

PROJECT NUMBER: 05-C0932  
DRAWING NUMBER: 6971-D

DESIGNED BY: D.C. WARD  
DATE: 6/4/03

C-01

SHEET 1 OF 4



VICINITY MAP  
SCALE: 1" = 1/4 MILE

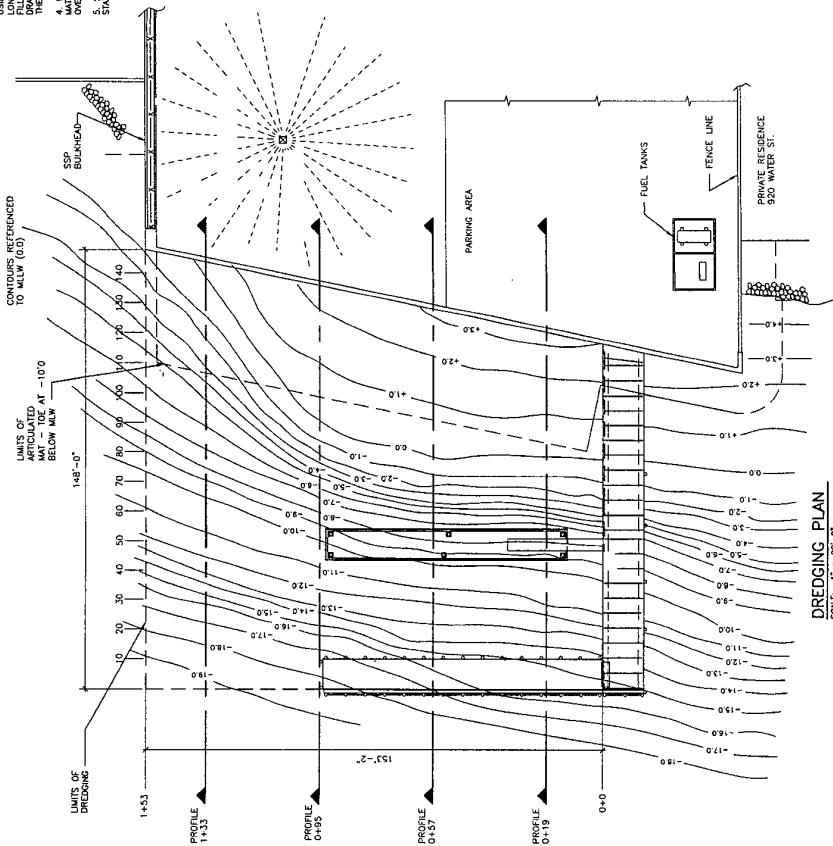
WRIGHTSVILLE BEACH  
POSTAL ZIP CODE: 28480



SITE AERIAL PHOTO  
SCALE: 1" = 400'

GENERAL WORK NOTES:

1. DREDGING: UNLESS THE MOORINGS TO THE LIMITS AND CROSS SECTIONS SHOWN, THE MOORING AREA SHALL BE DREDGED TO -10.0' BELOW MLLW. ALL DREDGE MATERIAL SHALL BE PLACED WITHIN THE CONFINES OF THE STATION SUCCESSIVE PROPERTIES TO THE NORTH OF THE STATION AS SHOWN.
2. SPILLAGE: DREDGE MATERIAL SHALL BE PLACED WITHIN THE CONFINES OF THE STATION SUCCESSIVE PROPERTIES TO THE NORTH OF THE STATION AS SHOWN.
3. LIMITS OF DREDGING: UNLESS OTHERWISE NOTED, DREDGE SHALL BE PLACED WITHIN THE CONFINES OF THE STATION SUCCESSIVE PROPERTIES TO THE NORTH OF THE STATION AS SHOWN.
4. LIMITS OF DREDGING: UNLESS OTHERWISE NOTED, DREDGE SHALL BE PLACED WITHIN THE CONFINES OF THE STATION SUCCESSIVE PROPERTIES TO THE NORTH OF THE STATION AS SHOWN.
5. SOUNDINGS: TAKE BEFORE AND AFTER DREDGE SOUNDINGS BY A STATE OF NORTH CAROLINA LICENSED MARINE SURVEYOR.



DREDGING PLAN  
SCALE: 1" = 20'-0"

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(703) 921-1440

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U. S. COAST GUARD  
CIVIL ENGINEERING UNIT  
CLEVELAND



USCG CEU CLEVELAND  
1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2050

MARK	DATE	DESCRIPTION
03	5/28/01	DSW

A/E PROJECT NO. 508	1007
DESIGNED BY:	DSW
DRAWN BY:	DSW
EDITED BY:	
CHECKED BY:	

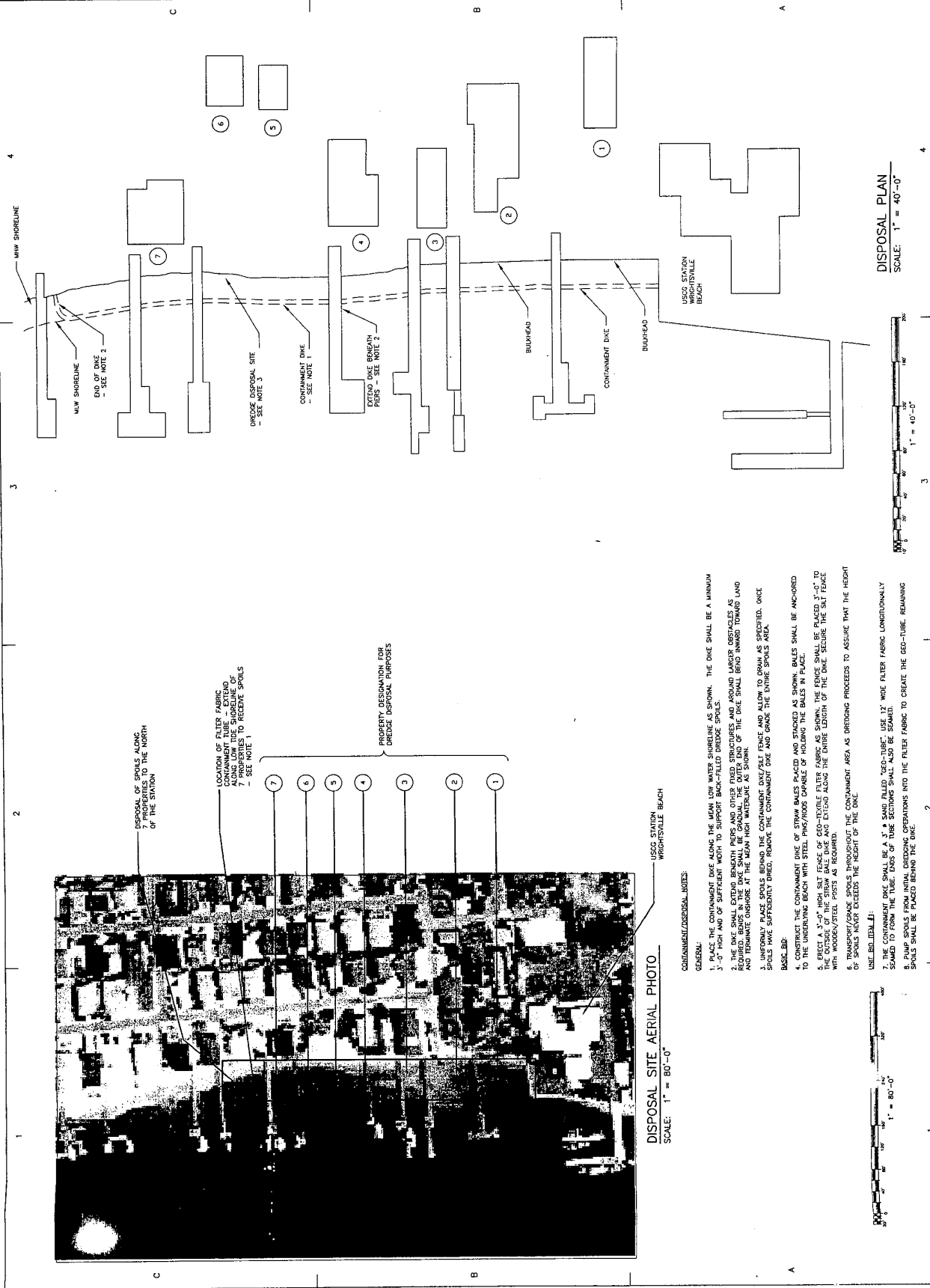
SCALE AS SHOWN PLOT SCALE 1:1

SHEET TITLE
DREDGE BOAT BASIN STATION WRIGHTSVILLE BEACH WRIGHTSVILLE BEACH NORTH CAROLINA

CIVIL  
DISPOSAL SITE PLANS

REVIEWED BY:	D.C. RESSLER
D.C. RESSLER	L.K. LEPOWITZ
PROJECT ENG.	BRANCH CHIEF
DATE	6/4/03
APPROVING OFFICER	A.P. KIMOS, CDR, USCG

PROJECT NUMBER	05-C0932
DRAWING NUMBER	6971-D
DISPOSAL SITE NO	C-02
SHEET	2 OF 4



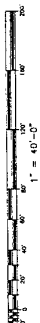
DISPOSAL SITE AERIAL PHOTO  
SCALE: 1" = 80'-0"

CONTAINMENT/DISPOSAL NOTES

- GENERAL:
1. PLACE THE CONTAINMENT DIKE ALONG THE MEAN LOW WATER SHORELINE AS SHOWN. THE DIKE SHALL BE A MINIMUM 3'-0" HIGH AND OF SUFFICIENT WIDTH TO SUPPORT BACK-FILLED DREDGE SPOILS.
  2. THE DIKE SHALL EXTEND BENEATH PIERS AND OTHER FIXED STRUCTURES AND AROUND LARGER OBSTACLES AS REQUIRED TO MAINTAIN THE MEAN LOW WATER SHORELINE. THE DIKE SHALL BE BACK-FILLED WITH DREDGE SPOILS TO THE MEAN HIGH WATERLINE AS SHOWN.
  3. UNIFORMLY PLACE SPOILS BEHIND THE CONTAINMENT DIKE/SLT FENCE AND ALLOW TO DRAIN AS SPECIFIED. ONCE SPOILS HAVE SUFFICIENTLY DRIED, REMOVE THE CONTAINMENT DIKE AND GRADE THE ENTIRE SPOILS AREA.
- BASIC BID:
4. CONSTRUCT THE CONTAINMENT DIKE OF STRAW BALES PLACED AND STOKED AS SHOWN. BALES SHALL BE ANCHORED TO THE UNDERLYING BEACH WITH STEEL PINS/KNOTS CAPABLE OF HOLDING THE BALES IN PLACE.
  5. ERECT A 3'-0" HIGH SLT FENCE OF GEO-TEXTILE FILTER FABRIC AS SHOWN. THE FENCE SHALL BE PLACED 3'-0" TO THE OUTSIDE OF THE STRAW BALE DIKE AND EXTEND ALONG THE ENTIRE LENGTH OF THE DIKE. SECURE THE SLT FENCE WITH WOODEN/STEEL PILES AS REQUIRED.
  6. TRANSPORT/LOAD SPOILS THROUGHOUT THE CONTAINMENT AREA AS DREDGING PROCEEDS TO ASSURE THAT THE HEIGHT OF SPOILS DOES NOT EXCEED THE HEIGHT OF THE DIKE.
- UNCL. BIDDING ITEMS:
7. THE CONTAINMENT DIKE SHALL BE 12" X 12" BALE PILES "VIA-TUBES" USED AT WIDE FILTER FABRIC LONGITUDINALLY TO MAINTAIN THE MEAN LOW WATER SHORELINE. THE DIKE SHALL BE BACK-FILLED WITH DREDGE SPOILS TO THE MEAN HIGH WATERLINE AS SHOWN.
  8. PLACE SPOILS FROM INITIAL DREDGING OPERATIONS INTO THE FILTER FABRIC TO CREATE THE GEO-TUBE. REMAINING SPOILS SHALL BE PLACED BEHIND THE DIKE.



DISPOSAL PLAN  
SCALE: 1" = 40'-0"



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CIVIL ENGINEERING UNIT  
CLEVELAND



USSOC. CEU CLEVELAND  
1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2080

ISSUE

03 5/28/03 DOW

MARK DATE DESCRIPTION

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DREDGE BOAT BASIN  
STATION WRIGHTSVILLE BEACH  
WRIGHTSVILLE BEACH NORTH CAROLINA

CIVIL  
DISPOSAL SITE PLAN/DET

REVIEWED BY: L.K. LEONOWITZ  
D.C. RUSSEL  
PROJECT ENG. BRANCH CHIEF

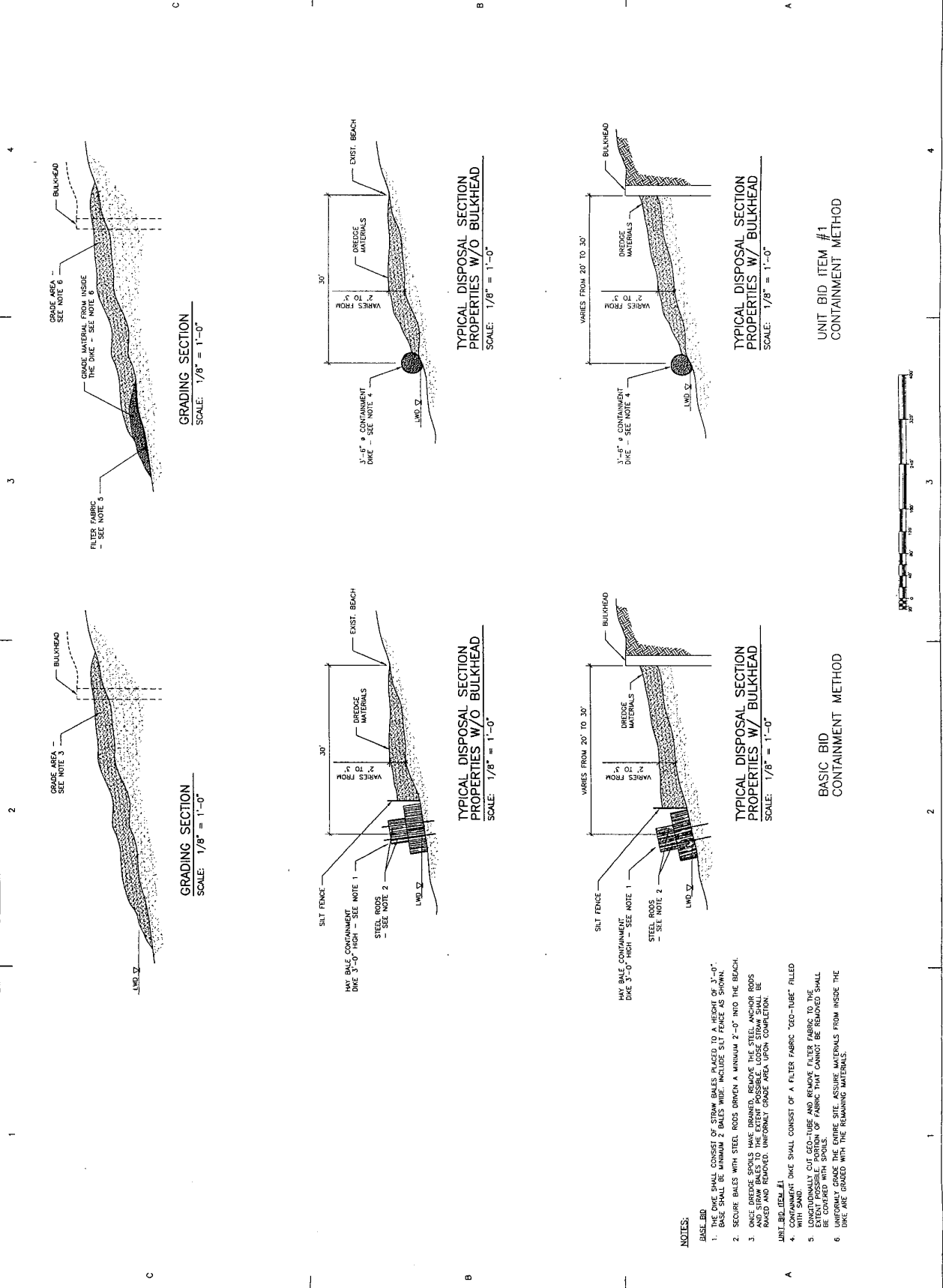
APPROVED BY: A.P. KIMOS, COR. USCG  
DATE: 6/4/03

PROJECT NUMBER: 05-C0932

DISPOSAL SITE NO: 6971-D

C-03

SHEET 3 OF 4



NOTES:

1. THE DIKE SHALL CONSIST OF STRAW BALES PLACED TO A HEIGHT OF 3'-0". BALE SHALL BE MINIMUM 2 BALES WIDE. INCLUDE SALT FENCE AS SHOWN.
2. SECURE BALES WITH STEEL RODS DRIVEN A MINIMUM 2'-0" INTO THE BEACH.
3. ONCE DREDGE SPILLS HAVE DRAINED, REMOVE THE STEEL ANCHOR RODS AND STRAW BALES TO THE EXTENT POSSIBLE. LOOSE STRAW SHALL BE ADDED AND COVERED IMMEDIATELY. COVER AREA UPON COMPLETION.
4. CONTAINMENT DIKE SHALL CONSIST OF A FILTER FABRIC "GEO-TUBE" FILLED WITH SAND.
5. LONGITUDINALLY CUT GEO-TUBE AND REMOVE FILTER FABRIC TO THE EXTENT POSSIBLE. EXPOSED DIKE SHALL BE COVERED WITH SAND.
6. UNIFORMLY GRADE THE ENTIRE SITE. ASSURE MATERIALS FROM INSIDE THE DIKE ARE GRADED WITH THE REMAINING MATERIALS.

DICHRONA, INCORPORATED  
ALEXANDRIA, VIRGINIA  
(703) 971-1440

CONSULTANTS

U. S. COAST GUARD  
CIVIL ENGINEERING UNIT  
CLEVELAND



USCG, CEU CLEVELAND  
1240 EAST 9TH STREET  
CLEVELAND, OH 44199-2060

ISSUE

DATE DESCRIPTION

DATE PROJECT NO. 508  
CAG FILE NAME: 06971004  
DESIGNED BY: DOW  
CHECKED BY: BW  
CHECKED BY:

SCALE: AS SHOWN PLOT SCALE: 1"=1'

SHEET TITLE  
DREDGE BOAT BASIN  
STATION WRIGHTSVILLE BEACH  
WRIGHTSVILLE BEACH NORTH CAROLINA

CIVIL  
DREDGING PROFILES

REVIEWED BY: LK LIPKOWITZ  
D.C. WARD  
PROJECT ENG. LIPKOWITZ  
APPROVING OFFICER: A.P. KIMOS, CDR, USCG  
DATE: 6/4/03

PROJECT NUMBER: 05-C0932  
DRAWING NUMBER: 6971-D

DISCUSSION NO. C-04  
SHEET 4 OF 4

DREDGE QUANTITIES  
AT PROFILE 1+33: 593 CY  
AT PROFILE 0+95: 573 CY  
AT PROFILE 0+57: 636 CY  
AT PROFILE 0+19: 2135 CY  
TOTAL: 2,715 CY

